

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): An apparatus used in a mobile communication system with a plurality of wireless base stations, comprising:

an acquiring unit configured to acquire identification information of said wireless base stations;

a location detecting unit configured to detect a present location of the apparatus upon acquiring at least one of identification information of said wireless base stations;

~~and~~ a storing unit configured to store service location information in which to associate the acquired identification information ~~being associated~~ with the detected present location of said apparatus;

a location information providing unit configured to figure a location of said wireless base stations using the detected present location of said apparatus stored in said storing unit, ~~and to provide the figured location of said wireless base stations, and to share the service~~ location information through an ad hoc network with another apparatus that is served by the wireless base station.

Claim 2 (Original): The apparatus according to claim 1, wherein said location information providing unit having map information, configured to add information of said figured location of said wireless base stations to the map information.

Claim 3 (Original): The apparatus according to claim 2, wherein said location information providing unit configured to display the map information indicating said figured location of said wireless base stations.

Claim 4 (Original): The apparatus according to claim 1, wherein said mobile communication system is a wireless local area network system being compliant with a standard of IEEE 802.11.

Claim 5 (Original): The apparatus according to claim 1, further comprising a communication unit configured to communicate with said wireless base stations, said communication unit being adapted to a standard of IEEE 802.11.

Claim 6 (Original): The apparatus according to claim 1, further comprising a cellular telephone unit configured to perform cellular communication with a cellular base station being a part of a cellular network.

Claim 7 (Original): The apparatus according to claim 1, wherein said acquiring unit configured to acquire identification information of said wireless base stations which is included in a signal transmitted from said wireless base stations.

Claim 8 (Original): The apparatus according to claim 4, wherein said acquiring device configured to acquire identification information of said wireless base stations which is included in a signal transmitted from said cellular base station.

Claim 9 (Original): A method for mapping location information of a wireless base station which provides contents data to a mobile communication terminal, comprising:
acquiring identification information of said wireless base stations;
detecting a location of said terminal;

storing the acquired identification information of said wireless base stations being associated with the detected location of said terminal;

figuring the location of said wireless base stations based on the detected terminal location associated with the acquired identification information of said wireless base stations;

and

providing map information indication information of the figured location of said wireless base stations.

Claim 10 (Original): The method according to claim 9, wherein said mobile communication terminal is adapted to a standard of IEEE 802.11.

Claim 11 (Currently Amended): A mobile terminal communicatable with a plurality of wireless base stations, comprising:

a receiver which receives an identification data of at least one of base stations;

a location detector which detect a present location data of the terminal when the identification data is received;

a memory configured to store service location information in which to associate the identification data associated with the present location data;

a map generating unit configured to share the service location information through an ad hoc network with another mobile terminal to generate a map showing the present position of the terminal among base stations, using service location information the identification data with the present location data from the memory; and

a display to show the map.